ABSTRACT OF THE DISCLOSURE:

The subject matter of the invention is a method for determining the imaging equation for self calibration with regard to performing stereo-PIV methods on visualized flows, said method being comprised of at least two cameras and one image sector, with the cameras viewing approximately the same area of the illuminated section but from different directions, the point correspondences between the two cameras being determined by measuring the displacement of the respective interrogation areas in the camera images using optical cross-correlation, the imaging equation being determined by means of approximation methods, using known internal and external camera parameters.

(Fig. 1)